



Fats and Oils: Oilseed Crashings, Production, Consumption and Stocks

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Highlights

December 2015 contained 31 days.

January 2016 contained 31 days.

February 2016 contained 29 days.

March 2016 contained 31 days.

Soybeans crushed for crude oil was 4.99 million tons (166 million bushels) in March 2016, compared to 4.64 million tons (155 million bushels) in February 2016 and 4.81 million tons (160 million bushels) in January 2016. Crude oil produced was 1.94 billion pounds up 8 percent from February 2016 and up 4 percent from January 2016. Soybean once refined oil production at 1.40 billion pounds during March 2016 increased 8 percent from February 2016 and increased 14 percent from January 2016.

Canola seeds crushed for crude oil was 150 thousand tons in March 2016, compared to 138 thousand tons in February 2016 and 148 thousand tons in January 2016. Canola crude oil produced was 123 million pounds up 8 percent from February 2016 but down 2 percent from January 2016. Canola once refined oil production at 123 million pounds during March 2016 was up 6 percent from February 2016 but down 1 percent from January 2016. Cottonseeds crushed for crude oil was 143 thousand tons in March 2016, compared to 126 thousand tons in February 2016 and 132 thousand tons in January 2016. Cottonseed crude oil produced was 45.3 million pounds, up 18 percent from February 2016 and up 9 percent from January 2016. Cottonseed once refined oil production at 52.8 million pounds during March 2016 was up 21 percent from February 2016 and up 16 percent from January 2016.

Edible tallow production was 62.6 million pounds during March 2016, down 19 percent from February 2016 and down 30 percent from January 2016. Inedible tallow production was 287 million pounds during March 2016, up 2 percent from February 2016 and up 4 percent from January 2016. Technical tallow production was 92.7 million pounds during March 2016, down 21 percent from February 2016 but up 2 percent from January 2016. Choice white grease production at 113 million pounds during March 2016 increased 1 percent from February 2016 and increased 1 percent from January 2016.

**Soybean Crushing, Production, Consumption and Stocks – United States:
December 2015 - March 2016**

Item	December 2015	January 2016	February 2016	March 2016
Crush				
Soybeans crushed tons	5,011,324	4,814,044	4,638,663	4,991,626
Crude oil produced 1,000 pounds	1,929,027	1,864,887	1,795,866	1,943,537
Cake and meal produced tons	3,669,213	3,539,791	3,425,236	3,677,248
For animal feed tons	3,610,090	3,476,488	3,366,159	3,613,239
For edible protein products tons	59,123	63,303	59,077	64,009
Millfeed produced tons	262,266	256,884	241,078	260,298
Refine				
Crude oil processed in refining 1,000 pounds	1,445,949	1,277,782	1,344,388	1,438,379
Once refined oil produced 1,000 pounds	1,401,107	1,236,602	1,306,085	1,404,133
Consumption				
Crude oil removed for inedible use in processing 1,000 pounds	112,270	(D)	107,789	116,869
Once refined oil removed for use in processing 1,000 pounds	1,337,705	1,283,248	1,336,284	1,404,906
Removed for edible use in processing 1,000 pounds	1,053,797	1,049,611	1,112,647	1,139,437
Removed for inedible use in processing 1,000 pounds	283,908	233,637	223,637	265,469
Stocks				
Cake and meal on hand end of month tons	270,421	368,063	330,057	302,672
Millfeed on hand end of month tons	31,927	42,235	32,295	35,426
Crude oil on hand end of month 1,000 pounds	1,576,849	1,724,459	1,880,210	1,956,599
Crusher 1,000 pounds	778,789	890,950	976,800	1,013,888
Refiner 1,000 pounds	304,192	341,226	371,273	420,583
Offsite 1,000 pounds	493,868	492,283	532,137	522,128
Once refined oil on hand end of month 1,000 pounds	395,661	386,338	399,967	368,327

(D) Withheld to avoid disclosing data for individual operations.

Soybean Crushing – Regional: December 2015 - March 2016

Region	Soybeans crushed			
	December 2015	January 2016	February 2016	March 2016
	(tons)	(tons)	(tons)	(tons)
Illinois	587,325	514,261	546,695	607,194
Iowa	1,118,485	1,064,253	1,039,470	1,115,334
North and East ¹	1,105,040	1,119,325	1,073,727	1,114,512
North Central ²	709,052	654,555	613,960	682,246
South, West and Pacific ³	665,297	670,757	619,304	678,267
West Central ⁴	826,125	790,893	745,507	794,073
Region	Crude oil produced			
	December 2015	January 2016	February 2016	March 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	232,176	201,801	212,594	243,082
Iowa	427,106	409,626	400,845	429,053
North and East ¹	425,422	428,442	412,264	429,941
North Central ²	275,314	258,811	245,853	268,005
South, West and Pacific ³	252,254	257,934	238,075	260,381
West Central ⁴	316,755	308,273	286,235	313,075
Region	Crude oil stocks at crusher			
	December 2015	January 2016	February 2016	March 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois	91,653	126,799	155,453	201,541
Iowa	147,848	171,135	177,351	183,787
North and East ¹	198,288	226,634	268,007	252,746
North Central ²	227,072	247,460	264,508	267,241
South, West and Pacific ³	64,403	60,469	57,244	55,520
West Central ⁴	49,525	58,453	54,237	53,053
Region	Cake and meal produced			
	December 2015	January 2016	February 2016	March 2016
	(tons)	(tons)	(tons)	(tons)
Illinois	423,765	366,355	398,369	436,932
Iowa	827,142	787,211	769,939	828,610
North and East ¹	816,299	822,623	791,416	818,269
North Central ²	516,838	488,800	456,642	506,058
South, West and Pacific ³	475,881	487,459	451,372	498,229
West Central ⁴	609,288	587,343	557,498	589,150
Region	Cake and meal stocks			
	December 2015	January 2016	February 2016	March 2016
	(tons)	(tons)	(tons)	(tons)
Illinois	49,628	61,419	56,703	43,670
Iowa	45,944	69,767	65,265	61,790
North and East ¹	77,279	99,828	84,293	57,727
North Central ²	23,431	46,726	33,701	25,074
South, West and Pacific ³	35,663	39,001	30,537	71,019
West Central ⁴	38,476	51,322	59,558	43,392

¹ North and East includes Indiana, Kentucky, Maryland, Ohio, Pennsylvania and Virginia.

² North Central includes Michigan, Minnesota, North Dakota and South Dakota.

³ South, West, and Pacific includes Alabama, Arkansas, California, Georgia, Louisiana, North Carolina and South Carolina.

⁴ West Central includes Kansas, Missouri and Nebraska.

**Selected Oilseed Crushing, Production, Consumption and Stocks – United States:
December 2015 - March 2016**

Item	December 2015	January 2016	February 2016	March 2016
Canola				
Crush				
Seeds crushed tons	165,762	148,424	137,631	149,882
Crude oil produced 1,000 pounds	135,689	126,109	114,443	123,498
Cake and meal produced tons	91,746	82,050	76,448	84,758
Refine				
Crude oil processed in refining 1,000 pounds	102,980	130,855	117,491	125,623
Once refined oil produced 1,000 pounds	96,540	123,760	116,149	122,722
Consumption				
Crude oil removed for inedible use in processing 1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing 1,000 pounds	98,205	117,275	125,700	142,659
Removed for edible use in processing 1,000 pounds	(D)	(D)	(D)	(D)
Removed for inedible use in processing 1,000 pounds	(D)	(D)	(D)	(D)
Stocks				
Cake and meal on hand end of month tons	(D)	(D)	(D)	(D)
Crude oil on hand end of month 1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil on hand end of month 1,000 pounds	72,843	78,205	80,162	79,337
Cottonseed				
Crush				
Seeds crushed tons	149,644	131,639	125,631	142,679
Crude oil produced 1,000 pounds	46,826	41,430	38,433	45,265
Cake and meal produced tons	70,040	65,905	57,608	68,728
Refine				
Crude oil processed in refining 1,000 pounds	54,603	46,077	44,088	53,409
Once refined oil produced 1,000 pounds	54,020	45,555	43,445	52,772
Consumption				
Crude oil removed for inedible use in processing 1,000 pounds	-	-	(D)	(D)
Once refined oil removed for use in processing 1,000 pounds	44,042	45,270	51,081	58,707
Removed for edible use in processing 1,000 pounds	(D)	(D)	(D)	(D)
Removed for inedible use in processing 1,000 pounds	(D)	(D)	(D)	(D)
Stocks				
Cake and meal on hand end of month tons	47,977	43,756	35,916	42,423
Crude oil on hand end of month 1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil on hand end of month 1,000 pounds	49,144	51,087	47,302	53,245
Coconut				
Refine				
Crude oil processed in refining 1,000 pounds	35,724	20,787	28,024	22,274
Once refined oil produced 1,000 pounds	35,270	20,613	27,692	22,225
Consumption				
Crude oil removed for inedible use in processing 1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing 1,000 pounds	50,075	52,177	51,803	59,221
Removed for edible use in processing 1,000 pounds	(D)	(D)	(D)	(D)
Removed for inedible use in processing 1,000 pounds	(D)	(D)	(D)	(D)
Stocks				
Crude oil on hand end of month 1,000 pounds	99,332	85,607	74,844	67,102
Once refined oil on hand end of month 1,000 pounds	31,137	29,325	24,919	25,969
Corn				
Refine				
Crude oil processed in refining 1,000 pounds	(S)	(S)	(S)	(S)
Once refined oil produced 1,000 pounds	(S)	(S)	(S)	(S)
Consumption				
Crude oil removed for inedible use in processing 1,000 pounds	(S)	(S)	(S)	(S)
Once refined oil removed for use in processing 1,000 pounds	(S)	(S)	(S)	(S)
Removed for edible use in processing 1,000 pounds	(S)	(S)	(S)	(S)
Removed for inedible use in processing 1,000 pounds	(S)	(S)	(S)	(S)
Stocks				
Crude oil on hand end of month 1,000 pounds	(S)	(S)	(S)	(S)
Once refined oil on hand end of month 1,000 pounds	(S)	(S)	(S)	(S)

See footnote(s) at end of table.

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Selected Oilseed Crushing, Production, Consumption and Stocks – United States:
December 2015 - March 2016 (continued)

Item	December 2015	January 2016	February 2016	March 2016
Olives				
Crush				
Crushed for oil tons	(D)	-	-	-
Virgin oil produced 1,000 pounds	(D)	-	-	-
Refine				
Refined oil produced 1,000 pounds	(D)	(D)	(D)	(D)
Consumption				
Refined oil removed for use in processing 1,000 pounds	(D)	(D)	(D)	(D)
Removed for edible use in processing 1,000 pounds	(D)	(D)	(D)	(D)
Removed for inedible use in processing 1,000 pounds	-	(D)	(D)	-
Stocks				
Virgin oil on hand end of month 1,000 pounds	(D)	(D)	(D)	(D)
Refined oil on hand end of month 1,000 pounds	(D)	(D)	(D)	(D)
Palm kernel				
Consumption				
Once refined oil removed for use in processing 1,000 pounds	37,003	47,380	45,621	50,983
Removed for edible use in processing 1,000 pounds	(D)	(D)	(D)	(D)
Removed for inedible use in processing 1,000 pounds	(D)	(D)	(D)	(D)
Stocks				
Once refined oil on hand end of month 1,000 pounds	124,857	132,027	127,179	116,166
Palm				
Consumption				
Once refined oil removed for use in processing 1,000 pounds	171,269	159,978	163,186	183,610
Removed for edible use in processing 1,000 pounds	163,525	141,461	156,545	173,959
Removed for inedible use in processing 1,000 pounds	7,744	18,517	6,641	9,651
Stocks				
Once refined oil on hand end of month 1,000 pounds	473,268	498,710	485,005	452,932
Peanut				
Refine				
Crude oil processed in refining 1,000 pounds	(D)	(D)	16,988	21,944
Once refined oil produced 1,000 pounds	(D)	(D)	15,943	20,615
Consumption				
Crude oil removed for inedible use in processing 1,000 pounds	(D)	-	(D)	(D)
Once refined oil removed for use in processing 1,000 pounds	(D)	(D)	13,589	17,779
Removed for edible use in processing 1,000 pounds	(D)	(D)	13,589	(D)
Removed for inedible use in processing 1,000 pounds	(D)	(D)	-	(D)
Stocks				
Crude oil on hand end of month 1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil on hand end of month 1,000 pounds	(D)	(D)	(D)	(D)
Sunflower				
Refine				
Crude oil processed in refining 1,000 pounds	41,254	31,581	40,410	49,706
Once refined oil produced 1,000 pounds	39,688	30,134	38,334	47,177
Consumption				
Crude oil removed for inedible use in processing 1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing 1,000 pounds	36,787	29,391	45,685	48,399
Removed for edible use in processing 1,000 pounds	(D)	(D)	(D)	(D)
Removed for inedible use in processing 1,000 pounds	(D)	(D)	(D)	(D)
Stocks				
Crude oil on hand end of month 1,000 pounds	53,659	61,465	53,347	41,368
Once refined oil on hand end of month 1,000 pounds	33,464	50,523	35,537	41,947
Vegetable foots, raw and acidulated				
Refine				
Oil produced 1,000 pounds	25,912	25,284	25,020	29,509
Consumption				
Oil removed for inedible use in processing 1,000 pounds	25,722	22,150	(D)	(D)
Stocks				
Oil on hand end of month 1,000 pounds	21,987	11,375	12,123	11,052

- Represents zero.

(D) Withheld to avoid disclosing data for individual operations.

(S) Insufficient number of reports to establish an estimate.

**Animal Fats and Oils Production, Consumption and Stocks – United States:
December 2015 - March 2016**

Item	December 2015 (1,000 pounds)	January 2016 (1,000 pounds)	February 2016 (1,000 pounds)	March 2016 (1,000 pounds)
Choice white grease				
Production	117,902	111,920	111,901	112,681
Removed for inedible use	119,056	111,080	110,190	110,810
Stocks on hand end of month	9,253	10,395	11,793	11,811
Fatty acids				
Production	(S)	(S)	(S)	(S)
Stocks on hand end of month	(S)	(S)	(S)	(S)
Feather meal				
Production	90,908	93,070	98,228	96,025
Stocks on hand end of month	19,785	18,277	16,862	16,192
Glycerin, crude				
Production	(S)	(S)	(S)	(S)
Processed in refining	(S)	(S)	(S)	(S)
Stocks on hand end of month	(S)	(S)	(S)	(S)
Glycerin, refined				
Production	(S)	(S)	(S)	(S)
Stocks on hand end of month	(S)	(S)	(S)	(S)
Lard				
Production	29,998	28,209	35,325	26,542
Removed for use in processing	29,534	31,140	35,556	26,673
Removed for edible use in processing	(D)	(D)	(D)	(D)
Removed for inedible use in processing	(D)	(D)	(D)	(D)
Stocks on hand end of month	8,619	9,791	10,472	11,498
Meat meal, meat and bone meal, and dry rendered tankage				
Production	511,225	474,699	499,035	495,307
Stocks on hand end of month	57,972	54,360	45,642	45,464
Other grease				
Production	56,127	54,109	51,305	58,085
Removed for inedible use in processing	57,101	57,431	52,925	56,198
Stocks on hand end of month	(D)	(D)	(D)	(D)
Poultry fats				
Production	198,753	197,011	206,596	207,255
Removed for inedible use in processing	192,601	194,904	210,263	206,182
Stocks on hand end of month	22,056	21,459	17,594	19,844
Poultry by-product meals				
Production	236,453	245,249	260,162	250,708
Stocks on hand end of month	53,622	46,977	43,408	42,813
Tallow, edible				
Production	78,930	88,857	77,272	62,600
Removed for use in processing	86,352	93,843	76,987	64,704
Removed for edible use in processing	(D)	90,636	(D)	(D)
Removed for inedible use in processing	(D)	3,207	(D)	(D)
Stocks on hand end of month	16,667	12,969	15,634	14,674
Tallow, inedible				
Production	287,203	276,798	281,275	287,057
Removed for inedible use in processing	288,841	272,649	284,736	292,551
Stocks on hand end of month	90,866	87,804	84,676	81,621
Tallow, technical				
Production	94,100	91,109	118,065	92,732
Removed for inedible use in processing	102,820	99,877	126,167	104,112
Stocks on hand end of month	13,100	15,428	12,946	13,189
Yellow grease				
Production	170,566	147,716	160,255	193,749
Removed for inedible use in processing	166,779	164,031	155,555	181,286
Stocks on hand end of month	90,019	74,152	80,905	92,706

(D) Withheld to avoid disclosing data for individual operations.

(S) Insufficient number of reports to establish an estimate.

Statistical Methodology

Survey Procedures: *Fats and Oils: Oilseed Crushings, Production, Consumption and Stocks* is part of the Current Agricultural Industrial Reports (CAIR) program. CAIR reports are administered under NASS's Census of Agriculture program. Response to CAIR surveys are required by law (Title 7, U.S. Code). Animal and vegetable fats and oils data are collected from all known facilities that crush, refine or render. Crushing facilities include processors that use either solvent extraction or continuous screw press.

The census universe was determined during operation profile interviews which were completed for each potential facility to identify the presence of rendering, oilseeds crushing, and crude oil refining in 2014.

In the Animal and Vegetable Fats and Oils survey questionnaire, facilities are asked for previous calendar month data on oilseed crushing, crude oil production, once refined oil production, rendering production, and end of month stocks. Facilities are mailed questionnaires with the options of completing the survey by mail or by Electronic Data Reporting (EDR). For surveys not received in a reasonable amount of time, telephone follow-up is conducted.

Estimating Procedures: Imputation is done for operations with non-response by using historical data and current data relationships. Data for reporting firms are added to estimates for non-reporting firms to obtain National totals.

Revision Policy: Data are revised the following month based on late reports or corrected data. Final figures are published in the annual summary of the following year.

Reliability: Survey data are based on a census of all known facilities and therefore, have no sampling variability. Monthly data can vary due to different firms reporting month to month. Survey data are also subject to non-sampling errors such as omissions and mistakes in reporting and in processing the data. While these errors cannot be measured directly, they are minimized by carefully reviewing all reported data for consistency and reasonableness.

Information Contacts

Listed below are the commodity statisticians in the Environmental, Economics, and Demographics Branch of the National Agricultural Statistics Service to contact for additional information. E-mail inquiries may be sent to nass@nass.usda.gov.

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Stephanie Brennan – Field Crops Chemical Use	(202) 690-0392
Natasha Bruton – Current Agricultural Industrial Reports.....	(202) 720-7644
Ryan Cowen - Farms, Land in Farms, Census of Agriculture.....	(202) 690-3233
Doug Farmer – Vegetable Chemical Use	(202) 720-7492
Virginia Harris – Census of Agriculture.....	(502) 582-5293
Megan Lipke – Census of Agriculture	(202) 720-5881
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